

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

Clone
15' quad.

RECORD OF WELL

P546

Clone 15' quad
15y 0.1N-1.8E

Locate well on plat of section.

1. Location: State N. Y. S. County Putnam
Nearest P. O. Patterson Direction from P. O. W
Distance from P. O. 5 miles; 1/4 sec. , T. , R.
If in city, give street and number Town of Kent

2. Owner: Albert Kern Address Carmel, N. Y.
Driller: Henry Ballard Address Patterson, N. Y.
3. Situation: Is well on upland, in valley, or on hillside? hillside
4. Elevation of top of well: 920 ft. above the level of sea (Sea, depot, lake, or stream)
5. Type of well: drilled; kind of drilling rig used core drill (Dug, driven, bored, or drilled) (Solid tool, jetting, rotary, etc.)
6. Depth of well: 43 ft.; year in which well was finished 1938

Does well enter rock? yes; if so, at what depth? 10-12 ft.; kind of rock granite-gneiss

7. Diameter: At top 6 inches; at bottom 6 inches.

8. Principal water bed: granite gneiss
(Gravel, sand, clay, or rock. If rock, state kind)
Depth to principal water bed 40 ft.; thickness of bed ft.

If other water supplies were found, give depth to each

9. Casings: Kind steel; size 6"; length 15 ft.; between depths of 0 and 15 ft.
Kind ; size ; length ft.; between depths of and ft.
Kind ; size ; length ft.; between depths of and ft.

Packers (if any): Depth at which packers were used none; kind

Screen or Strainer: Was well finished with screen? no; kind of screen
length of screen ft.; diameter inches; size of openings

10. Head: Does well at present overflow without pumping? no; did it overflow when new? no
if flowing, give pressure lb. per sq. inch; or height water will rise in a pipe ft. above surface;
original pressure or head ; if not flowing, give water level in well 15 ft. below surface.

11. Pump: Is the well pumped? yes; kind of pump hand
size or capacity of pump ; kind of power human

12. Yield: Natural flow at present (if any) gallons per minute; original flow gallons per minute;
well has been pumped at 3-driller gallons per minute continuously for hours;
quantity of water ordinarily obtained from well 25-40 gallons per day. supplemented by rain water.

13. Use: For what purpose is the water used? Dom - 1 family - summer only.

14. Quality of the water: hard? - (not sure); is there an analysis? no
(Hard or soft, fresh or salty, etc.)

15. Cost of well, not including pump: Temperature of water ° F.

Name of person filling blank J. Grossman from Mr. Kern & Lester Davis

Date 7-19-50 Address U.S.G.S. at Albany.

LOG OF WELL

KIND OF ROCK OR OTHER MATERIAL (Give color and tell whether hard or soft)	DEPTH, IN FEET		THICKNESS, IN FEET	REMARKS (Especially information as to water found)
	From—	To—		
Unconsolidated	0	10-12	10-12	
Granite-gneiss	10-12	43	32	Water at 40 ft.
<p>"Dropped from 15 ft. (static level) to 20 ft. (pumping level) when pumped at $3\frac{1}{2}$ GPM for 10 minutes. Then pumped at $3\frac{1}{2}$ GPM for 4 hrs. with <u>no</u> drawdown. Later, well did not yield as much and was inadequate a year later." - Lester Davis</p> <p>Drill core still on property.</p>				